

```
<!--StartFragment-->RESULT 1
US-09-548-372D-6
; Sequence 6, Application US/09548372D
; Patent No. 6420534
; GENERAL INFORMATION:
; APPLICANT: GURNEY ET AL.
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 29915/6280I
; CURRENT APPLICATION NUMBER: US/09/548,372D
; CURRENT FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: US 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 476
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-548-372D-6
```

```
Query Match          99.2%; Score 2401.5; DB 2; Length 476;
Best Local Similarity 95.6%; Pred. No. 3.3e-249;
Matches 455; Conservative 0; Mismatches 0; Indels 21; Gaps 1;
```

```
Qy      1 MAQALPWL LLMWGAGVLP AHGTQH GIRLPL RSLGGLGAPLGLRLPRETDEEPEEPGRRSF 60
|
Db      1 MAQALPWL LLMWGAGVLP AHGTQH GIRLPL RSLGGLGAPLGLRLPRETDEEPEEPGRRSF 60

Qy     61 VEMVDNLRGKSGQGYV VEMTVGSPQT LNILVDTGSSNFAVGAAPHPFLHRYYQRQLSST 120
|
Db     61 VEMVDNLRGKSGQGYV VEMTVGSPQT LNILVDTGSSNFAVGAAPHPFLHRYYQRQLSST 120

Qy    121 YRDLRKGVYPYTQ GKWEGELGTD LVSIPHGPNVTVRANIAAITESDKFFINGSNWEGIL 180
|
Db    121 YRDLRKGVYPYTQ GKWEGELGTD LVSIPHGPNVTVRANIAAITESDKFFINGSNWEGIL 180

Qy    181 GLAYAEIAR-----IIGGIDHSLYTGSLWYTPIRREWYVEVIIV 219
|
Db    181 GLAYAEIARLCGAGFPLNQSEVLASVGGSMIIGGIDHSLYTGSLWYTPIRREWYVEVIIV 240

Qy    220 RVEINGQDLKMDCKEYNYDKSIVDSGTTNLR LPKKVFEAAVKSIIKAASSTEKFPDGFWL G 279
|
Db    241 RVEINGQDLKMDCKEYNYDKSIVDSGTTNLR LPKKVFEAAVKSIIKAASSTEKFPDGFWL G 300

Qy    280 EQLVCWQAGTTPWNIFPVISLYLMGEVTNQSF RITILPQQYL R PVEDVATSQDDCYKFAI 339
|
Db    301 EQLVCWQAGTTPWNIFPVISLYLMGEVTNQSF RITILPQQYL R PVEDVATSQDDCYKFAI 360

Qy    340 SQSSTGTVMGAVIMEGFYVVFDRARKRIGFAVSACHVHDEFRTAAVEGPFVTLDMEDCGY 399
|
Db    361 SQSSTGTVMGAVIMEGFYVVFDRARKRIGFAVSACHVHDEFRTAAVEGPFVTLDMEDCGY 420

Qy    400 NIPQTDESTLMTIAYVMAAICALFMLPLCLMVCQWRCLRCLRQQHDDFADDISLLK 455
|
Db    421 NIPQTDESTLMTIAYVMAAICALFMLPLCLMVCQWRCLRCLRQQHDDFADDISLLK 476
```

```
<!--EndFragment-->
```